

RS10

Modular Audio System

Component speakers for 2.1 to 7.1 channel formats



Wharfedale

“The RS-10 system speakers are powerful - yet accurate to introduce a vivid image and sense of space to every recording and soundtrack.”

Introduction

The RS-10 has been conceived as a complete home cinema and hi-fidelity loudspeaker system.

Configurable into stereo, or to any number of multi-channel options, the RS-10 combines svelte good looks and robust construction with breath-taking performance.

Using a new generation of our unique KEVLAR bi-directional woven drive units, the RS-10 system speakers are powerful - yet accurate - enough to introduce a vivid image and sense of space to every recording and soundtrack.

All the satellite and centre speakers are engineered to be tonally identical, for a completely immersive sound field.

The transition from speaker to speaker is continuous and unbroken throughout the room, resulting in a genuine cinematic experience.

Build quality is also exemplary. Because we manufacture every part of the system in-house, we are able to design in complete synergy - using state-of-the-art materials and techniques.

The main cabinet, matching floor and table stands; as well as discreet wall brackets have all been constructed from a strong die-cast alloy. While the bass drivers are made from woven KEVLAR, with the magnet assemblies magnetically shielded, so they can be safely used with any display device, including conventional CRT televisions.

Design & Technology

The RS10 has been manufactured using some of the most advanced technologies available today. Our system designers have made it their priority to create a system that not only sounds fantastic, but makes the system a simple and elegant addition to your home.

The satellite speakers and centre channel are supplied with alloy wall brackets; with table mounts and floor stands available separately, the system offers you a range of configuration options to suit your living room. Designed to match the depth, profile and finish of most of the popular LCD and plasma televisions; the RS10 satellites blend superbly to create a truly stunning Home Cinema system.

The tweeters use 'rare-earth' neodymium magnets with a very high field density. This allows accurate control of the high frequencies, producing the superb stereo 'imaging' that is a trademark of all Wharfedale loudspeakers.

The RS-10 satellites feature a hidden cable management system, with a wire-free back panel. Even in the most minimal of modern living rooms, they can be installed without compromise to the decor.

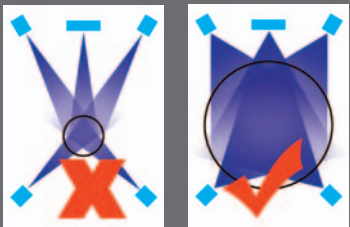
The RS-10 subwoofer is itself state-of-the-art, with a microprocessor controlled filter stage, four programmable memory settings and full remote control operation.



Home Cinema or Music?

Dispersion Explained

At higher frequencies, many loudspeakers start to 'beam' meaning there's a very narrow angle at which the listener can hear the full frequency range. This is not such a problem in a stereo system. But for home cinema a much wider dispersion is desirable, allowing everyone in the room, to hear every speaker properly.



The most common criticism levelled at hi-fi companies today is that systems are designed either for home cinema use, or to reproduce stereo music accurately. It is seemingly difficult to find a system that combines the best of both worlds without compromise to each other.

The RS-10 is different. We have used our seventy years experience in producing hi-fi speakers to full effect, creating a speaker with neutrality, transparency and accuracy - ideal for the reproduction of music. The smooth mid-range is a testament to the accuracy of the drivers.

The reason the RS-10 is different is because of its wide dispersion characteristic. The RS-10 combines all of the best hi-fi credentials with the finest dispersion in its class.

The RS-10 satellite speakers use twin bass/mid drivers and a high-resolution textile dome tweeter. Their speed and accuracy, combined with our curved front baffle, means the drivers remain 'phase coherent' throughout the frequencies at which the crossover transition takes place.

This, in turn means an even sound field dispersion, devoid of the usual 'lobing' effects shown in such systems. This is particularly important in the centre channel speaker, which is required to cover a full 60 degrees from perpendicular with a consistent and even sound field.

The effect for the listeners is clear. Wherever they are sat in the room, the sound is consistent. Everyone can experience the full impact of the surround sound effect.



RS-10 subwoofer

Good bass requires the ability to move large volumes of air with extreme precision. This demands a significant amount of power and dynamic headroom. The RS10 subwoofer is designed with plenty of power to spare.

A Class AB amplifier has been specifically designed for this model. Very low distortion, exceptional headroom, and a high internal electrical damping factor of the strong, fast KEVLAR cone provides accurate control, for performance well above the specification.

Power is nothing without control, however. The RS-10 subwoofer uses an advanced microprocessor controlled analogue low-pass filter section for sonic performance with a low noise floor. By minimising frequency overlap, fourth order, 24dB/octave filter slopes, ensure clean integration with full range systems in a wide range of applications.

Low-pass frequencies are adjustable across six settings in 10Hz steps from 35-85Hz.

Where a high quality A/V processor controls the subwoofer signal, it is also possible to switch all filters off, or use a combination of both.

In subwoofers of this quality, end users demand the best performance possible from their home cinema system, and also from their stereo music collection.

With its flexibility and sophisticated control section, the RS-10 sub provides four memory settings which can be used to store all of the calibration information for a range of uses, and these can be recalled at the press of a button.

The full function remote control supplied with the RS-10 sub provides the most user-friendly interface for set-up and adjustment.

Users can, with the display on the subwoofer, set up the full system from the actual listening position and adjust the settings easily without having to move furniture or otherwise access the rear panel.



| Model | RS-10 Satellite | RS-10 Centre | RS-10 Subwoofer | |
|------------------------------|---|--|------------------------------|--------------------------------|
| Drivers | | | Drivers | |
| Bass | 2 x 100mm (4") | 2 x 100mm (4") | Bass | 250mm (10") KEVLAR |
| Tweeter | 25mm (1") Textile | 25mm (1") Textile | Amplifier Power | 250WRMS |
| Recommended Power | 20 - 120W | 20 - 120W | Nominal Impedance | N/A |
| Nominal Impedance | 6 ohm (compatible with 8 ohm amplifiers) | 6 ohm (compatible with 8 ohm amplifiers) | Input Sensitivity | 250mV for 200W |
| Input Sensitivity | N/A | N/A | AV Shielding | No |
| AV Shielding | Yes | Yes | Average Max Output | 108dB |
| Sensitivity (1W @ 1m) | 87dB | 87dB | Boundary Position | 28Hz - 170Hz |
| Frequency Response (-6dB) | 100Hz - 24kHz | 100Hz - 24kHz | High Frequency limit (-10dB) | N/A |
| High Frequency limit (-10dB) | 44kHz | 44kHz | Crossover Range | 35-85Hz |
| Crossover Frequency | 2.8kHz | 2.8kHz | Frequency Fb | 6 x 10Hz steps |
| Frequency Fb | 95Hz | 95Hz | Unit Size (H x W x D) | 370 x 600 x 250 |
| Unit Size (H x W x D) | 600 x 127 x 100 | 127 x 600 x 100 | Size inches (H x W x D) | 14.6" x 21.5" x 10" |
| Size inches (H x W x D) | 23.6" x 5" x 4" | 5" x 23.6" x 4" | Height with feet | 395mm (15.6") |
| Height with table stand | 615mm (24.2") | 137mm (5.4") | Product Features | Full function Remote |
| Height with floor stand | 1225mm (48.25") | N/A | | 4 programmable memory settings |
| Depth with wall bracket | 105mm (4.15") | 105mm (4.15") | | Phase adjust |
| Package contains | 2 x Speakers | 1 x Speaker | Finish options | Crossover adjust |
| | 2 x Wall Brackets | 1 x Wall Bracket | | Metallic Silver gloss |
| Finish options | Metallic Silver with Black grille | Metallic Silver with Black grille | | |
| Accessories | Table mounts and floorstands are available separately | | | |

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